Icon

Icon The <aava-icon> component provides a comprehensive icon system built on top of Lucide icons, offering scalable vector graphics with extensive customization options, interaction support, and full accessibility compliance. It supports dynamic sizing, theming, interactive states, and seamless integration into any Angular application. How to use ■ import { AavaIconComponent } from "@aava/play-core" ; Basic Usage ■ Simple icon implementation using Lucide icon names with default styling. Sizes ■ Flexible sizing options supporting both numeric pixel values and string-based sizing for responsive design. Size Options ■ Numeric values - Direct pixel sizing (e.g., 16 , 24 , 32) String values - CSS-compatible units (e.g., '1rem' , '2em' , '100%') Responsive sizing - Use CSS custom properties for adaptive scaling Colors ■ Comprehensive color customization with theme integration and semantic color support. Color System ■ Custom colors - Direct hex, RGB, HSL, or named color values CSS custom properties - Theme-aware color tokens Semantic colors - Contextual colors based on component state Disabled state - Automatic color adaptation for disabled icons Accessibility ■ Built-in accessibility features ensuring inclusive user experience and WCAG compliance. Accessibility Features ■ Semantic HTML - Proper button element for interactive icons ARIA compliance - Appropriate ARIA attributes and roles Keyboard navigation - Full keyboard support for interactive icons Screen reader support - Meaningful descriptions and labels Focus management - Clear focus indicators and proper focus order High contrast - Support for high contrast accessibility modes API Reference ■ Inputs ■ Property Type Default Description iconName string '' Lucide icon name to display color string '' Custom color override (deprecated, use iconColor) disabled boolean false Whether the icon is disabled iconColor string '#a1a1a1' Icon color using hex, RGB, HSL, or CSS custom properties iconSize number | string 24 Icon size in pixels (number) or CSS units (string) cursor boolean false Whether to show pointer cursor and enable interactions hoverColor string 'none' Color applied on hover Outputs ■ Event Type Description userClick EventEmitter<Event> Emitted when interactive icon is clicked Properties ■ Property Type Description computedColor string Calculated color value based on state isInteractive boolean Whether icon accepts user interactions isDisabled boolean Current disabled state Methods ■ Method Parameters Description handleClick() event: Event Process click events for interactive icons CSS Custom Properties ■ Property Description --button-icon-color-disabled Color used for disabled icon state --icon-transition Transition animation for state changes --icon-hover-color Color used on hover for interactive icons --icon-focus-outline Focus outline styling for accessibility --icon-focus-outline-offset Focus outline offset for clear visibility Host Styling ■ The component applies the following host styles automatically: display : inline-flex ; align-items : center ; justify-content : center ; vertical-align : middle ; height : [iconSize]px ; /* Dynamic based on iconSize input */ Lucide Icon Integration ■ The component leverages Lucide icons, providing access to over 1,000 high-quality SVG icons. Icon Library ■ Comprehensive collection - 1,000+ carefully designed icons Consistent design - Uniform stroke width and styling Scalable vectors - Crisp appearance at any size Regular updates

- Actively maintained icon library Tree-shakable - Only used icons are bundled Icon Naming ■ Icons use kebab-case naming convention from the Lucide library: // Common icon examples iconName = "home" ; iconName = "user-circle" ; iconName = "arrow-right" ; iconName = "check-circle" ; iconName = "alert-triangle" ; Best Practices ■ Design Guidelines ■ Choose appropriate sizes - Use consistent sizing across similar interface elements Maintain visual hierarchy - Larger icons for primary actions, smaller for secondary Use semantic colors - Colors should convey meaning and match design system Consider context - Icon choice should clearly communicate its purpose Consistent spacing - Maintain proper spacing around icons in layouts Accessibility ■ Provide meaningful context - Use proper ARIA labels for screen readers Interactive indication - Clearly distinguish interactive vs decorative icons Keyboard navigation - Ensure all interactive icons are keyboard accessible Focus indicators - Maintain clear focus states for navigation Color contrast - Ensure sufficient contrast for all color combinations Performance ■ Icon optimization - Lucide icons are automatically optimized SVGs Bundle efficiency - Tree-shaking ensures only used icons are bundled Avoid excessive sizing - Use reasonable icon sizes to maintain performance Minimize color changes - Frequent color updates can impact performance Integration ■ Theme consistency - Use CSS custom properties for consistent theming Component composition - Icons work well within buttons, forms, and navigation Event handling - Properly handle click events for interactive use cases State management - Consider disabled states in your application logic

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<!-- Basic Icon Usage - Angular Example -->

<aava-icon iconName="home"></aava-icon>
<aava-icon iconName="user"></aava-icon>
<aava-icon iconName="heart"></aava-icon>
<aava-icon iconName="star"></aava-icon>
<aava-icon iconName="settings"></aava-icon>
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<!-- Icon Sizes - Angular Example -->

<aava-icon iconName="star" iconSize="16"></aava-icon>
<aava-icon iconName="star" iconSize="24"></aava-icon>
<aava-icon iconName="star" iconSize="32"></aava-icon>
<aava-icon iconName="star" iconSize="48"></aava-icon>

<!-- String-based sizing -->

<aava-icon iconName="heart" iconSize="1rem"></aava-icon>
<aava-icon iconName="heart" iconSize="1.5rem"></aava-icon>
<aava-icon iconName="heart" iconSize="2rem"></aava-icon>
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<!-- Icon Colors - Angular Example -->

<aava-icon iconName="palette" iconColor="#ff6b6b"></aava-icon>
<aava-icon iconName="palette" iconColor="#4ecdc4"></aava-icon>
<aava-icon iconName="palette" iconColor="#45b7d1"></aava-icon>
<aava-icon iconName="palette" iconColor="#96ceb4"></aava-icon>
<aava-icon iconName="palette" iconColor="#ffeaa7"></aava-icon>
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